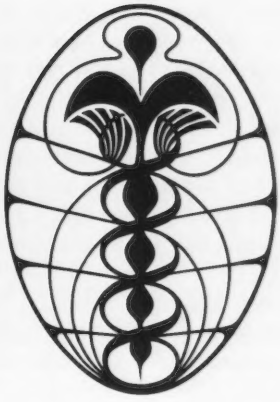
CLINICAL
EEG
ELECTROENCEPHALOGRAPHY



Author and Subject Index
Volume 23, 1992

Index of Authors

Aguglia, U., 118
Ahmed, Iftekhar, 126
Aitcheson, F., 162
Andrews, Jodie M., 19, 142
Benfante, P., 79
Bernad, Peter G., 160
Bertolucci, Paulo H.P., 177
Bogner, Janet E., 19, 142
Borkowski, Winslow J., Jr., 62
Buber, Barbara A., 147
Cao, Yin-shan, 52
Cenić, Desanka, 37
Chu, Nai-Shin, 47, 190
Ciger, Abdurrahman, 152
DeMarco, P., 7
Deshmukh, Vinod D., 132
Dieter, J., 79
Donnet, A., 118
Drake, Miles E., Jr., 19, 142, 203
Edmonds, Harvey L., Jr., 59
Ellingson, Robert J., 62
Erdem, Enis, 152
Farnarier, G., 118
Faynberg, Mark G., 58
Fino, J.J., 31
Fitzgerald, L. F., 180
Frith, R. W., 162
Fujii, Tatsuya, 68
Gambarelli, D., 118
Gao, Liang-gui, 52
Ghanem, Q., 95
Green, J., 79
Griffiths, Lynn K., 59
Hietter, Sharon A., 19, 142
Hughes, John R., 31, 60, 159, 180
Inoue, R., 10, 196
Inouye, Tsuyoshi, 137
Ito, Masatoshi, 68
Iyama, Akinori, 137
Jacobi, Gert, 111
Jones, Richard, N., 160
Karimjee, Najmuddin, 132
Kato, T., 10
King, Jeanne Ann, 100
Lansky, L. L., 180
Lekić, D., 37
Leonard, Jill, 24, 89
Leon-Barth, C., 79
Lindsley, Donald B., 58
London, R., 169
Melyn, M. A., 180
Mikawa, Haruki, 68
Mutoh, Kozo, 68
Newell, Sharon A., 203
Nowack, William J., 59, 100
Okada, S., 10, 196
Okuno, Takehiko, 68
Padamadan, Hosi, 19, 203
Policheria, Haranath, 147
Pordy, W. T., 169
Rappaport, Maurice, 24, 89
Regis, H., 118
Reilly, Edward L., 160
Renda, Yavuz, 152
Ruiz Portillo, Sarbelio, 24, 89
Schmitt, Bernhard, 111
Seeger, Jürgen, 111
Shaw, N. A., 105, 162
Shields, Christopher B., 59
Shinosaki, Kazuhiro, 137
Shu, Lan-hua, 52
Siddiqui, Tariq, 132
Silva, Ademir Baptista, 177
Slater, A. David, 59
Stone, J. L., 180
Storch, R. L., 169
Storch, S., 169
Sverdrup, Eileen K., 62
Topçu, Meral, 152
Trojaborg, W., 72
Tsao, Chang Y., 65
Tsounis, S., 1
Tsuji, M., 10
Ukai, Satoshi, 137
Urakami, Y., 10
van der Laken, Jacoba, 59
Varfis, G., 1
Varli, Kubilay, 152
Verma, Narayan P., 147
Walker, D., 79
Weate, Steven, 19
Webb, Wilse B., 159
Wu, Xun, 52
Zileli, Turgut, 152

Index of Subjects

Absence seizures and, learning-impaired children, effect of sleep deprivation, 62-64
—Lennox-Gastaut syndrome, 180-189
—triphasic waves and spike-wave stupor, 100-104
Acupuncture needle and, sphenoidal electrode recording anterior temporal spikes, 47-51, 190-195
Age factor and, changes in central somatosensory conduction time, 105-110
—Lennox-Gastaut syndrome, 180-189
—normal sleep EEG, 60-61
—See also Neonates and Children
Alcoholism and, epilepsy relationship, with prior head injury, 147-151
Alpha rhythm and, head injury, alcohol-epilepsy relationship, 147-151
—healthy adults living at high elevations, 52-57
—photic stimulation in migraine, with brain mapping, 1-6
—spindle activity in the waking EEG in older adults, 137-141
Altitude and, EEG characteristics of healthy adults 52-57
Aluminum and, pattern visual evoked potential in dialysis patients, 169-176
Ambulatory EEG and, Gilles de la Tourette syndrome, EEG sleep recordings, 142-146
—nightmare sufferers, 203-206
Anesthesia and, effect on posterior tibial nerve SEPs, 24-30
Anoxia and, alternating PLEDS, cerebral bigeminy, 177-179
—See also Hypoxic encephalopathy
Anterior temporal location and, detection of spikes by sphenoidal electrodes, 47-51, 190-195
Anticonvulsants and, hot water epilepsy, 152-158
—pregnant women with epilepsy, 60
Astatic seizures and, tuberous sclerosis, agenesis of the corpus callosum, with Lennox-Gastaut syndrome, 7-9
Atonic seizures and, Lennox-Gastaut syndrome, 180-189
Atrophy, cerebral, and, tuberous sclerosis with Lennox-Gastaut syndrome, 7-9
Attention deficit disorder and, absence seizures, effect of sleep deprivation on EEG in children, 62-64
—Gilles de la Tourette syndrome, 19-23, 142-146
Auditory evoked potential (AEP) and, electronic brain mapping, 79-88
—Gilles de la Tourette syndrome, 19-23
—HIV-infected children, 111-117
—nightmare sufferers, 203-206
Aviation medicine and, EEG abnormalities in 5893 jet pilot applicants, 72-78
Baclofen and, triphasic waves and spike wave stupor, 100-104
Behavior disorder and, Gilles de la Tourette syndrome, 19-23, 142-146
—sleep deprivation, effect on EEG in children with absence seizures, 62-64
Beta activity and, healthy adults at higher altitude, 52-57
—infantile neuroaxonal dystrophy, 68-71
—normal EEG in sleep, 60-61
Brain mapping and, migraine, alpha rhythm power and effect of photic stimulation, 1-6
—somatosensory evoked response, 79-88
—subclinical cognitive deficits in cancer patients, 132-136
Brainstem auditory evoked potential (BAEP) and, HIV-infected children, 111-117
—nightmare sufferers, 203-206
—See also Auditory evoked potential
Brain tumor and, triphasic waves in patient with glioblastoma multiforme, 95-99
Cancer and, subclinical cognitive deficits, P300 study, 132-136
Cardiorespiratory arrest and, hypoxic encephalopathy with epileptiform discharges, 58-59
Cassette EEG and, Gilles de la Tourette syndrome, EEG sleep recordings, 142-146
—nightmare sufferers, 203-206
Cat-scratch disease and, generalized tonic-clonic status epilepticus in a child, 65-67
Cerebral bigeminy and, alternating PLEDs, 177-179
Children and, cat-scratch disease with status epilepticus, 65-67
—HIV infection, EEG and EP studies, 111-117
—infantile neuroaxonal dystrophy, with fast activity and FIRDA, 68-71
—learning impairment with absence seizures, effect of sleep deprivation on EEG, 62-64
—new concepts in neonatal services, 159
—normal limits of sleep EEG, 60-61
—tuberous sclerosis, agenesis of corpus callosum and Lennox-Gastaut syndrome, 7-9
Cognition and, cancer patients, P300 study 132-136
—See also Dementia
Cold calorics and, SEP predicting outcome in coma, 126-131
Coma and, alternating PLEDS, 177-179

—cat-scratch disease with status epilepticus in a child, 65-67
—frontal spindle activity in nontraumatic diffuse encephalopathy, 196-202
—SEP, predicting outcome, 126-131
—triphasic waves, 101-104
Complex partial seizures and, detection of spikes with sphenoidal electrodes, 47-51, 190-195
Concussion and, SSER via electronic brain mapping, 79-88
—See also Head injury
Control subjects, See Normative data
Corpus callosum, agenesis, and, tuberous sclerosis with Lennox-Gastaut syndrome, 7-9
Creutzfeldt-Jakob disease and, sleep EEG at the early stage, 118-125
Delta activity and, infantile neuroaxonal dystrophy, FIRDA, 68-71
—normal limits in neonates, delta brush, 60-61
—normal sleep EEG, 60-61
—See also Slow activity
Dementia and, cancer patients, P300 study, 132-136
—Creutzfeldt-Jakob disease, sleep EEG, 118-125
—spindle activity in waking EEG in older adults, 137-141
Depression and, sleep, diagnostic limitations, 160-161
Diabetes and, alternating PLEDs, cerebral bigeminy, 177-179
Dialysis and, differences in PVEP between hemodialysis and peritoneal dialysis patients, 169-176
Drugs and, hot water epilepsy, 152-158
—pregnant women with epilepsy, 60
—triphasic waves and stupor, 100-104
Electrodes and, sphenoidal detection of anterior temporal spikes, 47-51, 190-195
Epilepsy and, alcohol-epilepsy relationship, with prior head injury, 147-151
—hot water, 152-158
—Lennox-Gastaut syndrome, 180-189
—mu rhythm, atypical group, 10-18
—neonatal services, 159
—pregnant women and anticonvulsants, 60
—reflex epilepsy, 152-158
—6/second spike and wave, changes in reactivity, 31-36
—sphenoidal electrodes, 190-195
—triphasic waves and spike wave stupor, 100-104
—tuberous sclerosis, agenesis of the corpus callosum and Lennox-Gastaut syndrome, 7-9
—See also Seizures
Event-related potential and, cancer patients, with subclinical cognitive deficits, 132-136
—electronic brain mapping, 79-88
—nightmares, 203-206
—Tourette syndrome, 19-23
—See also Evoked potential
Evoked potential and, age-dependent changes in central somatosensory conduction time, 105-110
—cancer patients, P300 study, 132-136
—coma, predicting outcome, 126-131
—dialysis patients, PVEP, 169-176
—electronic brain mapping, 79-88
—Gilles de la Tourette syndrome, 19-23
—HIV-infected children, 111-117
—multiple sclerosis, PVEP luminance, 162-168
—nightmare sufferers, 203-206
—posterior tibial nerve, effect of anesthesia and stimulus intensity, 24-30
—posterior tibial nerve, effect of stimulus intensity 89-94
—tooth pulp EP and pain, 37-46
Extreme spindles and, infantile neuroaxonal dystrophy, 68-71
Fast activity and, healthy adults at higher elevations, 52-57
—infantile neuroaxonal dystrophy, 68-71
—normal sleep, 60-61
Fourteen and six per second positive spikes and, Rolandic mu rhythm, 10-18
Frontal intermittent rhythmic delta activity (FIRDA) and, infantile neuroaxonal dystrophy, 68-71
Frontal location and, infantile neuroaxonal dystrophy, FIRDA, 68-71
—nontraumatic diffuse encephalopathy, spindle activity, 196-202
Generalized seizures and, cat-scratch disease, 65-67
—hot water epilepsy 152-158
—Lennox-Gastaut syndrome, 180-189
—See also Seizures
Gibbs, Fred and Erna, and, early days of EEG, a historical review, 58
Gilles de la Tourette syndrome and, auditory evoked potentials, 19-23
—cassette EEG sleep recordings, 142-146
Glioblastoma multiforme and, triphasic waves, 95-99
Headache and, alpha rhythm power, effect of photic stimulation with brain mapping, 1-6
Head injury and, electronic brain mapping, 79-88
—heterogeneity of the alcohol-epilepsy relationship, 147-151
—medical legal issues, 160
—spindle activity, 196-202
Hemodialysis and, pattern visual evoked potential, differences in hemodialysis and peritoneal dialysis patients, 169-176
Historical review and, early days of EEG with Fred and Erna Gibbs, 58

HIV-infection and, EEG and EP in children, 111-117
Hot water epilepsy and, clinical and EEG features, 152-158
Hypnogogic hypersynchrony and, normal limits sleep EEG, 60-61
Hypoxic encephalopathy and, epileptiform discharges, 58-59
—PLEDs, cerebral bigeminy, 177-179
—SEP in coma, 126-131

Infantile neuroaxonal dystrophy and, fast activity and FIRDA, 68-71
Infectious disease and, EEG and EP in HIV-infected children, 111-117
Intraoperative monitoring and, posterior tibial nerve SEP, 24-30
Ischemia and, EEG monitoring during myocardial revascularization, 59-60

Jet pilots and, EEG abnormalities registered in a 20-year period, 72-78

Learning-impaired children and, absence seizures, effect of sleep deprivation, 62-64
—Gilles de la Tourette syndrome, 19-23, 142-146
—See also Mental deficiency
Lennox-Gastaut syndrome and, EEG characteristics, clinical correlates and follow-up studies, 180-189
—tuberous sclerosis with agenesis of the corpus callosum, 7-9
Lethargy and, frontal spindle activity in nontraumatic encephalopathy, 196-202
Medical legal issues and, neuroscience, 160
Menkes' kinky-hair syndrome and, fast activity and FIRDA, 68-71
Mental deficiency and, Lennox-Gastaut syndrome, 180-189
—tuberous sclerosis, agenesis of the corpus callosum with Lennox-Gastaut syndrome, 7-9
Metabolic encephalopathy and, nonconvulsive status epilepticus, 59
—triphasic waves in spike wave stupor, 100-104
Migraine and, alpha rhythm power, effect of photic stimulation, with brain mapping, 1-6
Multiple sclerosis and, pattern visual evoked potential luminance, 162-168
Mu rhythm and, clinical study of the atypical group, 10-18
Myocardial revascularization and, EEG monitoring, 59-60
Myoclonic seizures and, Lennox-Gastaut syndrome, 180-189
Neonates and, new concepts in neonatal services, 159
—normal limits sleep EEG, 60-61
—See also Children
Neurotoxic exposure and, medical legal issues, 160
Nightmares and, neurophysiologic studies, 203-206
Normative data and, age-dependent changes in central SS conduction time, 105-110
—EEG of healthy adults at higher elevation, 52-57
—sleep EEG, 60-61
—SSEP, effects of stimulus intensity on posterior tibial nerve, 89-94
Occipital location and, positive occipital sharp transients, normal sleep EEG, 60-61
Optic neuritis and, pattern visual evoked potential luminance in multiple sclerosis, 162-168
Pain and migraine, alpha rhythm power, photic stimulation and brain mapping, 1-6
—tooth pulp evoked potential, 37-46
Partial seizures and, hot water epilepsy, 152-158
—sphenoidal electrodes, 47-51, 190-195
Pattern visual evoked potential (PVEP) and, difference between hemodialysis and peritoneal dialysis patients, 169-176
—luminance and multiple sclerosis, 162-168
Periodic lateralized epileptiform discharges (PLEDs) and, alternating, cerebral bigeminy, 177-179
Peritoneal dialysis and, differences in PVEP between hemodialysis and peritoneal dialysis patients, 169-176
Petit mal seizures and, learning-impaired children, effect of sleep deprivation, 62-64
—Lennox-Gastaut syndrome, 180-189
—triphasic waves and spike-wave stupor, 100-104
Petit mal variant discharges and, Lennox-Gastaut syndrome, 180-189
Photic stimulation and, EEG abnormalities in 5893 jet pilot applicants, 72-78
—migraine, with brain mapping, 1-6
Pilots and, EEG abnormalities in applicants, 72-78
Positive occipital sharp transients (POSTs) and, normal sleep EEG, 60-61
Pregnant women and, epilepsy, anticonvulsant drugs, 60
Premature infants and, normal limits in sleep EEG, 60-61
—See also Neonates
Psychomotor disturbance and, fast activity and FIRDA, 68-71
P300, See Event-related potential
Reflex epilepsy and, hot water seizures, 152-158
REM and, Creutzfeldt-Jakob disease, 118-125
—depression, 160-161
—Gilles de la Tourette syndrome, 142-146
—nightmares, 203-206
—See also Sleep EEG
Rolandic mu rhythm and, clinical study of the atypical group, 10-18
Seizures and, alternating PLEDs, 177-179

—cat-scratch disease, 65-67
—head injury, alcohol-epilepsy relationship, 147-151
—hot water epilepsy, 152-158
—hypoxic encephalopathy, 58-59
—jet pilot applicants, 72-78
—learning-impaired children, 62-64
—Lennox-Gastaut syndrome, 180-189
—metabolic encephalopathy, 59
—neonatal services, 159
—pregnant women, anticonvulsants, 60
—Rolandic mu rhythm, atypical group, 10-18
—6/sec spike and wave, changes in reactivity, 31-36
—sphenoidal electrodes for detection of anterior temporal spikes, 47-51, 190-195
—triphasic waves and spike wave stupor, 100-104
—tuberous sclerosis, agenesis of corpus callosum and Lennox-Gastaut syndrome, 7-9
Six per second spike and wave complex and, changes in reactivity, 31-36
—frontal spindle activity in nontraumatic encephalopathy, 196-202
—Rolandic mu rhythm, 10-18
Sleep and, Cruetzfeldt-Jakob disease, EEG, 118-125
—depressive disorder, 160-161
—Gilles de la Tourette syndrome, cassette EEG, 142-146
—infantile neuroaxonal dystrophy, 68-71
—learning-impaired children with absence seizures, sleep deprivation, 62-64
—Lennox-Gastaut syndrome, 180-189
—nature of natural sleep, 159-160
—nightmare sufferers, 203-206
—normal EEG limits, 60-61
—spindles in nontraumatic diffuse encephalopathy, 196-202
—spindles in waking EEG of older adults, 137-141
Slow activity and, alcohol-epilepsy relationship, 147-151
—cat-scratch disease with status epilepticus in a child, 65-67
—electronic brain mapping, 79-88
—frontal spindle activity in nontraumatic diffuse encephalopathy, 196-202
—glioblastoma multiforme, triphasic waves, 95-99
—healthy adults living at high elevation, 52-57
—HIV-infected children, 111-117
—infantile neuroaxonal dystrophy, FIRDA, 68-71
—normal sleep EEG, 60-61
—triphasic waves, spike wave stupor, 100-104
Somatosensory evoked potentials (SSEP) and,
—age-dependent changes in central SS conduction time, 105-110
—anesthesia and stimulus intensity effects on posterior tibial nerve SEP, 24-30
—coma, predicting outcome, 126-131
—electronic brain imaging, 79-88
—HIV-infected children, 111-117
—posterior tibial nerve, effects of stimulus intensity, 89-94
—See also Evoked potential
Sphenoidal electrode and, detection of anterior temporal spikes, 47-51, 190-195
Spike and wave discharge and, changes in reactivity, 31-36
—hypoxic encephalopathy, 58-59
—jet pilot applicants, 72-78
—learning-impaired children with absence seizures, effect of sleep deprivation, 62-64
—Lennox-Gastaut syndrome, EEG characteristics, 180-189
—Lennox-Gastaut syndrome with tuberous sclerosis, agenesis of corpus callosum, 7-9
—mu rhythm, 10-18
—nontraumatic encephalopathy, with frontal spindle activity, 196-202
—stupor with triphasic waves, 100-104
Spikes and, alcohol-epilepsy relationship, 147-151
—alternating PLEDs, cerebral bigeminy, 177-179
—healthy adults at high elevation, 52-57
—HIV-infected children, 111-117
—hot water epilepsy, 152-158
—hypoxic encephalopathy, 58-59
—jet pilot applicants, 72-78
—Lennox-Gastaut syndrome, 180-189
—Rolandic mu rhythm, 10-18
—sphenoidal electrodes, detection of anterior temporal spikes, 47-51, 190-195
—See also Spike and wave discharge
Spindles and, infantile neuroaxonal dystrophy, 68-71
—nontraumatic diffuse encephalopathy, frontal spindles, 196-202
—waking EEG of older adults, 137-141
—See also Sleep
Status epilepticus and, cat-scratch disease with encephalopathy in a child, 65-67
—metabolic encephalopathy, 59
—triphasic waves in spike wave stupor, 100-104
Stupor and, triphasic waves, 100-104
—See also Coma
Surgery and, EEG monitoring during myocardial revascularization, 59-60
—posterior tibial nerve SEP, 24-30
Temporal location and, sphenoidal electrodes in detection of anterior temporal spikes, 47-51, 190-195
Thalamus and, Creutzfeldt-Jakob disease, sleep EEG, 118-125
—SEP in coma, 126-131
—triphasic waves and spike wave stupor, 100-104

Theta activity and, electronic brain mapping, 79-88
—healthy adults at high elevation, 52-57
—normal EEG sleep, 60-61
—See also Slow activity
Three per second spike and wave discharge and, six per second spike and wave, similarities and differences, 31-36
—See also Absence seizures
Tibial nerve and, SSEP effects of anesthesia and stimulus intensity, 24-30
—SSEP effects of stimulus intensity, 89-94
Tics and, AEP and cassette EEG in Gilles de la Tourette syndrome, 19-23, 142-146
Tonic-clonic seizures, See Generalized seizures
Tooth pulp evoked potential and, pain, 37-46
Topographic brain mapping and, migraine, alpha rhythm power and effect of photic stimulation, 1-6
—somatosensory evoked response, 79-88
—subclinical cognitive deficits in cancer patients, 132-136
Tourette syndrome and, AEP, 19-23
—cassette EEG sleep recordings, 142-146
Trauma, See Head injury
Trigeminal neuralgia and, tooth pulp evoked potential, 37-46
Triphasic waves and, glioblastoma multiforme, 95-99
—metabolic encephalopathy and nonconvulsive status epilepticus, 59
—spike wave stupor, 100-104
Tuberous sclerosis and, agenesis of the corpus callosum and Lennox-Gastaut syndrome, 7-9
Uremia and, PVEP in hemodialysis and peritoneal dialysis patients, 169-176
Vascular disease and, alternating PLEDs, 177-179
—cardiorespiratory arrest, epileptiform discharges, 58-59
—EEG monitoring during myocardial revascularization, 59-60
—spindle activity in waking EEG in older adults, 137-141
Vertex sharp transients and, normal sleep EEG, 60-61
Visual evoked potential (VEP) and, electronic brain mapping, 79-88
—hemodialysis and peritoneal dialysis patients, 169-176
—luminance in multiple sclerosis patients, 162-168
—See also Evoked potential